



Cha6605_1717
 Cha6605_0511
 Cha6605_1869
 Cha6605_1454
 Cha6605_1892
 Cha6605_4273
 Cha6605_1847
 Cha6605_1857
 Cha6605_1689
 Cha6605_4405
 Cha6605_0324
 Cha6605_2130_2
 Cha6605_2130_1
 Cha6605_3056
 Cha6605_2465
 Cha6605_5362
 Cha6605_4414
 Cha6605_5176
 Cha6605_0948
 Cha6605_0360
 Cha6605_3674
 Cha6605_0672
 Cha6605_4606
 Cha6605_4384
 Cha6605_3541
 Cha6605_4005
 Cha6605_3986
 Cha6605_2734
 Cha6605_2205
 Cha6605_0888
 Cha6605_0859
 Cha6605_3759
 Cha6605_2130_3
 Cha6605_3159
 Cha6605_5570
 Cha6605_2360
 Cha6605_2150
 Cha6605_5391
 Cha6605_3246
 Cha6605_1332
 Cha6605_5802
 Cha6605_3553
 Cha6605_3939_1
 Cha6605_4905
 Cha6605_0024
 Cha6605_4049
 Cha6605_4790
 Cha6605_0942
 Cha6605_4339
 Cha6605_0411
 Cha6605_2128
 Cha6605_3976
 Cha6605_4242
 Cha6605_0250
 Cha6605_3846
 Cha6605_4344
 Cha6605_0897
 Cha6605_0410
 Cha6605_3939_2
 Cha6605_3935
 Cha6605_0870
 Cha6605_4962
 Cha6605_1221
 Cha6605_4383
 Cha6605_4412
 Cha6605_1127
 Cha6605_4415
 Cha6605_2736
 Cha6605_0016
 Cha6605_3910
 Cha6605_3908
 Cha6605_1223
 Cha6605_2358
 Cha6605_4907
 Cha6605_2152



Orphan
 Pair
 Triad
 Tetrad
 Pentad+

Cluster

Family

Domains

Cluster	Family	Domains
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Hybrid	2 HisKA,1 Response_reg,1 HisKA_3,1 HATPase_c
Orphan	Hybrid	2 HisKA,1 Response_reg,1 HisKA_3,1 HATPase_c
Orphan	Classic	1 GAF,1 HisKA,1 HATPase_c
Orphan	Classic	1 HAMP,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Hybrid	1 CheB_methylest,1 MeTrc,1 PAS_4,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Classic	1 GAF,1 HisKA,1 HATPase_c
Orphan	Classic	1 GAF,1 PAS,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Orphan	CheA	1 Hpt,1 H-kinase_dim,1 HATPase_c,1 CheW,1 Response_reg
Tetrad	Classic	1 CheB_methylest,1 MeTrc,2 PAS_4,1 HisKA_2,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 CHASE3,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA_3,1 HATPase_c
Orphan	Hybrid	2 HisKA,1 Response_reg,1 HisKA_3,1 HATPase_c
Orphan	Classic	1 HisKA_3,1 HATPase_c
Orphan	Classic	1 HisKA_3,1 HATPase_c
Orphan	Hybrid	2 Response_reg,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	2 Response_reg,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	3 CBS,2 PAS_3,2 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 PAS_4,2 PAS_3,1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Classic	1 HAMP,1 PAS,1 HisKA,1 HATPase_c
Orphan	Hybrid	2 PAS_4,2 HisKA,2 HATPase_c,1 Response_reg,1 PAS_3
Orphan	Hybrid	1 Response_reg,1 PAS,1 PAS_4,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS_3,1 GAF,1 HisKA,1 HATPase_c
Orphan	Classic	1 GAF,1 PAS_4,1 HisKA,1 HATPase_c
Orphan	Classic	1 HAMP,1 HisKA,1 HATPase_c
Orphan	Classic	1 HAMP,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 S_TKc,1 GAF,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 PAS_3,1 HisKA,1 HATPase_c,2 Response_reg
Orphan	Hybrid	3 Response_reg,1 HisKA,1 HATPase_c
Orphan	Unorthodox	1 CHASE2,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Orphan	Hybrid	1 GAF,1 HisKA,1 HATPase_c,1 REC
Orphan	Classic	1 GAF,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 CBS,1 PAS_4,1 PAS_3,2 GAF,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	2 CBS,1 PAS_4,1 PAS_3,2 GAF,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 S_TKc,1 GAF,2 PAS_4,3 PAS_3,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	2 PAS_4,2 HisKA,2 HATPase_c,1 Response_reg,1 PAS_3
Orphan	Classic	1 PAS_3,1 GAF,1 PAS_4,1 HisKA,1 HATPase_c
Orphan	Classic	1 CHASE3,1 PAS,1 HisKA,1 HATPase_c
Orphan	Classic	1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 GAF,2 PAS_3,3 PAS_4,1 HisKA,1 HATPase_c
Orphan	Classic	1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,4 PAS_4,2 PAS_3,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,3 PAS_4,2 PAS_3,1 HisKA,1 HATPase_c
Orphan	Classic	1 CHASE3,1 PAS,1 HisKA,1 HATPase_c
Orphan	Classic	2 GAF,2 PAS_3,2 PAS_4,1 HisKA,1 HATPase_c
Orphan	Hybrid	1 Response_reg,1 GAF,1 HisKA,1 HATPase_c
Orphan	Classic	1 PAS_2,1 GAF,1 PHY,1 HisKA,1 HATPase_c
Orphan	Classic	1 PAS_2,1 GAF,1 PHY,1 HisKA
Orphan	Classic	1 GAF,1 HisKA,1 HATPase_c
Orphan	Classic	1 CHASE3,1 PAS_4,1 GAF,1 HisKA,1 HATPase_c
Orphan	Classic	1 PAS_2,1 GAF,1 PHY,1 HisKA,1 HATPase_c